### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

#### Top of Ground

<table>
<thead>
<tr>
<th>Elev. above sea level</th>
<th>2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>2.57</td>
<td></td>
</tr>
<tr>
<td>3.61</td>
<td></td>
</tr>
<tr>
<td>4.72</td>
<td></td>
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<tr>
<td>5.72</td>
<td></td>
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<tr>
<td>6.72</td>
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<td>7.72</td>
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<tr>
<td>8.72</td>
<td></td>
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<tr>
<td>9.72</td>
<td></td>
</tr>
<tr>
<td>10.72</td>
<td></td>
</tr>
<tr>
<td>11.72</td>
<td></td>
</tr>
<tr>
<td>12.72</td>
<td></td>
</tr>
</tbody>
</table>

#### Static Water Level for non-flowing Well

43 feet

#### Shut-in Pressure for Flowing Well

2.4 lbs

#### Pumping Water Level

60 feet at 14 gal. per minute

#### Discharge in gal. per min. of flowing well

2.4 lbs

#### How Tested


drilled to 102 ft.

#### Remarks

Gravel packed back to 90 ft. from outside of 4" casing extended from 90 ft. back to top of ground level.
STATE OF MONTANA,
County of Richland,

Filed the 22 day of
January A.D. 1960
at 7 o'clock, P.M.

E. L. Loden
County Recorder

F. Sullivan

fees $2.00
Filed.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

---

### Owner Information

**Name:** Arnie Degen  
**Address:** 850 Westwood, BILLINGS, MONTANA

---

### Date

- **Well Started:** 13 Oct 1970  
- **Completed:** 14 Oct 1970

---

### Type of Well

- Drilled

---

### Equipment Used

- Down Drilled

---

### Water Use

- Domestic  
- Stock  
- Irrigation  
- Municipal  
- Industrial  
- Drainage  
- Other: Garden/Lawn

---

### USE

- If used for irrigation, industrial, drainage or other, explain state number of acres and location or other data (i.e. Lot, Block and Addition).

---

### Estimated Annual Withdrawal

- 1,000,000

---

### Top of Ground

<table>
<thead>
<tr>
<th>Strata</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sand gravel</td>
<td>0</td>
<td>0.9</td>
</tr>
<tr>
<td>sand</td>
<td>0.9</td>
<td>0.90</td>
</tr>
<tr>
<td>grey shale</td>
<td>0.90</td>
<td>0.93</td>
</tr>
</tbody>
</table>

---

### Static Water Level

- 20 ft

---

### Pumping Water Level

- 18.5 ft

---

### Measured from ground level

- Well developed for 6 hours

---

### Power

- 9.8 hp

---

### Remarks

- Gravel-packed 33-53

---

### Indicate Location of Well and Place of Use, If Possible, Each Small Square Represents 40 Acres.

---

### Driller's Signature

---

### Driller's Address

- Box 402, Sidney, Montana

---

### LICENSE NO.

- 177

---

### Show exact depth of bottom

- 53
STATE OF MONTANA, ss.
County of Richland.

Filed this 23 day of October, A.D. 1970.
at 9:30 a.m.

County Recorder

By: Charles Westby
Secretary

Filed 2:00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. BERTRAND PUST, of R. 2, SIDNEY
   (Name of Appropriator) (Address) (Town)
   County of RICHLAND State of MONTANA

2. The beneficial use on which the claim is based:
   WATERING LIVESTOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1940
   5-6 MONTHS PER YEAR

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 GALLONS PER MINUTE

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   NOT APPLICABLE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   ELECTRIC MOTOR AND PUMPJACK

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1940

8. The depth of water table: DO NOT KNOW

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   SAND POINT ABOUT 30 FT. DEEP

10. The estimated amount of groundwater withdrawn each year: 400,000 GALLONS

11. The log of formations encountered in the drilling of each well if available:
   NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record:
   NOT AVAILABLE

Signature of Owner:

Date: Jan. 6, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

SIDNEYLAND LIVESTOCK, of BOX 680
(Signature of Appropriator)

County of RICHLAND
State of MONTANA
(Address)
(Town)

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator

2. The beneficial use on which the claim is based

LIVESTOCK WATERING

3. Date or approximate date of earliest beneficial use; and how continuous the use has been

1920 CONTINUOUS USE

4. The amount of groundwater claimed (in miner’s inches or gallons per minute)

TWO GALLONS PER MINUTE

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

NOT USED FOR IRRIGATION

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

1920

8. The depth of water table

ABOUT 15 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater


10. The estimated amount of groundwater withdrawn each year

1,500 GALLONS

11. The log of formations encountered in the drilling of each well if available

NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record


Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Roeland

Filed this 31st day of...
December, A.D. 1963.
at 3:00 o'clock P.M.

R. H. Loomis
County Recorder

$2.00

_fee_
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. \( \text{Name of Appropriator} \) \( \text{Address} \) \( \text{Town} \) \( \text{County} \) \( \text{State} \)

2. The beneficial use on which the claim is based...

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...

4. The amount of groundwater claimed (in miner's inches or gallons per minute)...

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof...

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...

8. The depth of water table...

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater...

10. The estimated amount of groundwater withdrawn each year...

11. The log of formations encountered in the drilling of each well if available...

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record...

Signature of Owner...

Date:

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.

File No. ...

County...

File No. ...

JAN 10 1964
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Joseph Z. Thompson, of Helena, MT
   (Name of Appropriator) (Address) (Town)

   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based:
   ____________________________

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since:
   ____________________________

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   ____________________________

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   ____________________________

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   ____________________________

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   ____________________________

8. The depth of water table:
   ____________________________

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   ____________________________

10. The estimated amount of groundwater withdrawn each year:
    ____________________________

11. The log of formations encountered in the drilling of each well if available:
    ____________________________

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:
    ____________________________

   Signature of Owner: ____________________________
   Date: ____________________________

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state; otherwise, the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Richland, f 38
Filed on: Dec. 30, 1963, A.D. 1963
at: 11:35 A.M.
G. L. Keaton
County Recorder

Helen Sturke
Deputy
Filed
Filed

I 103/816
# Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Name and Address of Owner:

Theodore Hilgeman, Sidney Mont.

Date of Notice of Appropriation of Groundwater:


Date well started:


Date completed:


Type of well:

Drilled

Equipment used:

Churn, drill, rotary or other

Water Use:

Domestic

Industrial

Municipal

Other

Irrigation

Industrial

Drainage

Stock

Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Strata Met With</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>10</td>
</tr>
<tr>
<td>Gray Clay</td>
<td>20</td>
</tr>
<tr>
<td>Sand</td>
<td>30</td>
</tr>
<tr>
<td>Gravel</td>
<td>40</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

Static Water Level for non-flowing Well:

Shut-in Pressure for Flowing Well:

Pumping Water Level:

Discharge in gal. per minute of flowing well:

How Tested:

Length of Test:

Remarks:

Gravel packing, cementing, packers, type of alotof, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation.


This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Richland,
Filed this __________ day of
Quarters A.D. 19__
at ______________ o'clock p.m.

C L. Kaster
County Recorder

[Signature]
[Signature]
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Theodore John Reid
(State of Montana)
Administrator of Groundwater Code
Office of State Engineer

County of Richland
State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>2. The beneficial use on which the claim is based:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watering of stock</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>3. Date or approximate date of earliest beneficial use; and how continuous the use has been:</td>
</tr>
<tr>
<td>Drawn 1943</td>
</tr>
<tr>
<td>Has been used continuously</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>4. The amount of groundwater claimed (in miner's inches or gallons per minute):</td>
</tr>
<tr>
<td>5 gallons per minute</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>5. If used for irrigation, give the acres and description of the lands to which water has been applied and name of the owner thereof:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>8. The depth of water table:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:</td>
</tr>
<tr>
<td>Pump well 25' x 25'</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>10. The estimated amount of groundwater withdrawn each year:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>11. The log of formations encountered in the drilling of each well if available:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Signature of Owner:  
Theodore John Reid
Date: Dec. 22, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA.

County of Richland.

Filed this 31st day of December, 1903, at 9:14 A.M.

S. F. Koehler

L. C. Ford

Lee & Co.

Filed.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Theodore John Reidle, of Sker, Rite, Sidney
(Name of Appropriate) (Address) (Town)
County of Richland State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based:
   House Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Used Constantly

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Unknown

5. If used for irrigation, give the acreage and description of the land to which water has been applied and names of the owner thereof: Unknown

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Unknown

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Unknown

8. The depth of water table: Unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Unknown

10. The estimated amount of groundwater withdrawn each year: Unknown

11. The log of formations encountered in the drilling of each well if available: Unknown

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Unknown

Signature of Owner Theodore John Reidle
Date Dec. 22–1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Richland
Filed the 31st day of December, 1863
at 2:47 A.M.
E. D. Heelan

2.00
Filfe

[Signature]
DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: Thomas R. Yoak
Address: 123 Main St., Mont. 59101
Date well started: Dec. 21, 1971
Date well completed: Dec. 21, 1971

Type of well (drilled, bored or drilled): Drilled

Equipment used: Drill rig

Water Use: Domestic □, Municipal □, Stock □, Irrigation □, Industrial □, Drainage □, Other □, Garden/Lawn □

*Describe USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL: 600,000 gallons

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Pipes</th>
<th>Depth</th>
<th>Screen Size</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td></td>
<td>0</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4½&quot; x 11/4&quot; inch</td>
<td></td>
<td>0</td>
<td>1140</td>
<td>1109</td>
<td>1140</td>
<td></td>
</tr>
</tbody>
</table>

Top of Ground (Elev. above sea level): 1320 feet

From Bottom: 14 feet

Drilled Water Level: 14 feet

Screen: 1109 feet

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Power Pump HP: 20 HP

Remarks: Gravel packing, cementing, packers, type of shutoff, etc.

Driller's Signature: Thomas R. Yoak

Driller's Address: 123 Main St., Mont. 59101

License No. 92

Show exact depth of bottom: 1140 feet

49500
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: Troy Hedges

Address: 123 Main St.

Date well started: June 1, 1964

Date well completed: June 30, 1964

Type of Well: Drilled

Equipment used: Rotary

Water Use: Domestic

*Describe: If used for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (i.e., Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL: 150,000 gallons

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Size and Weight of Collar</th>
<th>Flow (gpm)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'</td>
<td>4 1/2&quot; x 0&quot;</td>
<td>37</td>
<td>none</td>
</tr>
</tbody>
</table>

Static water level: 10 ft. below ground
Pumping water level: 10 ft. below ground

*Measured from ground level. Well developed by pump for 6 hours. Pump: 1 HP

Power: Electric

Remarks: (Gravel packing, cementing, packers, type of shutoff)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller’s Signature: Troy Hedges

Driller’s Address: 123 Main St.

LICENSE NO. 92

Show exact depth of bottom: 46
STATE OF MONTANA, County of Richland,Filed this 30 day of
County of Richland,Filed this day of
A.D. 1971.
at 11:30 a.m.
Allan M. Kirke
County Recorder
James Paladichuk
Deputy

Fee: $2.00
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Swigert Salsig</td>
<td>483</td>
<td>301657</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Swigert Salsig</td>
<td>483</td>
<td>318385</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Swigert Salsig</td>
<td>483</td>
<td>300734</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Salzta Salsig</td>
<td>484</td>
<td>216328</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Salzta Salsig</td>
<td>484</td>
<td>281390</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Salzta Salsig</td>
<td>484</td>
<td>904627</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: C. C. DIETRICH
Address: 106 Beavertail, Anaconda, Mont.

Driller: FRANCIS RICHTER
Address: Anaconda, Mont.

Date of Notice of appropriation of groundwater: __________

Date well started: __________ Date completed: __________

Type of well: DRILLED Equipment used: ROBOTIC

Water use: Domestic ■ Municipal ■ Stock □ Irrigation □
Industrial □ Drainage □ Other □

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as sand, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, character and height to which the water rises in the well.

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, these copies to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller’s License Number

Driller’s Signature

[Signature]

[Date]
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL  

Developed after January 1, 1962  
(Under Chapter 237 Montana Session Laws, 1961, as amended)  

(This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.)  

**Owner:** Sterling Swigert  
**Address:** Richland, Montana  
**File No.:** 318225  
**Mar. 22, 1971**  
**Date well started:** Jan 15, 1958  
**Date well completed:** Jan 20, 1958  
**Type of well:** Churn drill  
**Equipment used:** Churn drill  
**Water Use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]  

"Describe"  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).  

**Estimated Annual Withdrawal:** 7,500,000 gal.  

**Top of Ground:** (Elev. above sea level)  

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 ft.</td>
<td>10 ft.</td>
</tr>
</tbody>
</table>

**Static water level:** 25 ft.  
**Pumping water level:** 26 ft.  
**Gallons per minute:** 9 gallons per minute, measured minutes after pumping began.  
*Measured from ground level.  
**Well developed by:** Dater  
**for:** hours.  
**Power Supply:** Pumped 5 HP  
**Remarks:** (Gravel packing, cementing, packers, type of shutoff)  

**Indicate Location of Well and Place of Use, if possible. Each Small Square Represents 40 Acres.**  

**Driller's Signature:**  
**Driller's Address:**  
**License No.:** 92  

**Show exact depth of bottom**  

14½ ft.
STATE OF MONTANA, County of Richland,

Filed this 8th day of March, A.D. 19__
at 1:30 p.m.

[Signature]

County Recorder
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner:  Sterling Woot
Address:  

Driller:  Quinton Woot
Address:  

Date of Notice of appropriation of groundwater: April 7, 1967

Date well started: April 7, 1967  Date completed: April 7, 1967

Type of well: Dug, Driven, bored or drilled (Drill, rotary, or other)

Equipment used: Rotary

Water use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Width of Casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12' I.D.</td>
<td>4' I.D. 0</td>
<td>15'</td>
<td>136'</td>
<td>15'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

65 feet

Shut-in Pressure for Flowing Well

Pumping Water Level... 90 feet

at 15 gal. per minute

Discharge in gal. per min. of flowing well

How Tested:  

Length of Test:  

Remarks:  (Gravel packing, cementing, packers, type of shut-off).  

USE—If used for irrigation. industrial, drainage or other. Explain state number of acres and location or other data (i.e.: Lot, Block and Addition).

Dyler's License Number

Dyler's Signature
STATE OF MONTANA, County of Richland, filed this 10th day of April, A.D. 19__
at ______ of book ______

John Smith
County Recorder

[Signature]

Filed
[Signature]

Filed
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

County of: Richland State of: Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: land pump with 10 hp. motor or gal. motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1935

8. The depth of water table: 90 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 10 hp. single well

10. The estimated amount of groundwater withdrawn each year: 1000 gal.

11. The log of formations encountered in the drilling of each well if available: sandy loam

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: none

Signature of Owner: George Schroy Date: Dec. 31-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprior.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. George Schatz
   (Name of Appropriator)
   County of Richland
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based
   for cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   May 1932

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   10 gal

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   with a hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   May 1952

8. The depth of water table
   20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   10 gal
   hand pump

10. The estimated amount of groundwater withdrawn each year
    10,000 gal

11. The log of formations encountered in the drilling of each well if available
    sandy loam

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
    none

Signature of Owner
George Schatz
Dec. 31 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA, County of Richland, in 495336

Filed this 7th day of December, A.D. 1963.

at Richland, M. A. C.

E. F. Kogen
County Recorder

Deputy

Filed
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237, Montana Session Laws, 1961)

Owner: George Scheetz  Address: Sidney, Mont.
Driller: R.C. Bondrom  Address: Sidney, Mont.

Date of Notice of appropriation of groundwater: 29 Aug. 1968
Date well started: 29 Aug. 1968
Date completed: 5 Sept. 1968

Type of well: Drilled  Equipment used: Churn
(Dug, driven, bored or drilled)

Water use: Domestic □  Municipal □  Stock □  Irrigation □
Industrial □  Drainage □  Other □

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Delineated Area</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft</td>
<td>4 ft 10.89 ft</td>
<td>0 ft</td>
<td>213 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 148 ft.

Shut-in Pressure for Flowing Well: 210 ft.

Discharge in gal. per min. of flowing well: 1 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) casing driven into coal seam

1/4 acre 22n p. 50a
Indicate location of well and place of use, if possible. Each small square represents 1/40 acres.

30 22n 60a

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e., Lot, Block and Addition).

County: Richland

File No. 1

Duplicate

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller’s License Number

Driller’s Signature

44,572
STATE OF MONTANA,
County of Richland,
Filed this ______ day of
Sept., A.D. 19____
at ______ o'clock ______ m.

County Recorder

Filed
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
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<td>226,375</td>
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<td>12</td>
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<td>22</td>
<td>Lue, Harold</td>
<td>481</td>
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<td>28</td>
<td>Lue, Harold</td>
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<td>55</td>
<td>Biermann, Peter,</td>
<td>481</td>
<td>226,375</td>
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</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 257 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960

Owner: [Name]
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: [Date]
Date Completed: [Date]

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Natural spring

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, estimate approximate lengths of periods of use.

All year when livestock are on the pasture

Signature of Owner: [Signature]
Date: [Date]

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Richland,

Filed this 31st day of December, A.D. 1963, at 1:05 o'clock, P.M.

[Signature]
County Recorder

[Stamp]
Declaration of Vested Groundwater Rights
(Under Chapter 287, Montana Session Laws, 1961)

Peter D. Thiesons &
Johnny Mae Thiesons
(Name of Appropriator) (Address) (Town)

County of Richland State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based. **Watering of livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **1960 Irrigation when hay crop was harvested and livestock on the land.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **not applicable**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **not applicable**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. **Windmill pump, location is approximate.**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **1948**

8. The depth of water table. **80 feet**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. **Well is bored 24" hole 50 to 100 feet deep.**

10. The estimated amount of groundwater withdrawn each year. **100,000 gallons**

11. The log of formations encountered in the drilling of each well if available. **Not applicable**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. **Not applicable**

Signature of Owner

Date: June 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

**Peter D. Thiesse & Nancy Mae Thiesse**  
(Name of Appropriator)  

County of Richland  
State of Montana  

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. **SW 1/4 of Sec. 18, T. 21 N, R. 56**  

<table>
<thead>
<tr>
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<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based: **domestic, irrigating of garden and lawns and watering of livestock.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1948; use has been continuous.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **Not applicable.**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **Not applicable.**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **Electric pump & windmill pump.**  

The wells are located on SW 1/4 of SW 1/4 Sec. 18, T. 21 N, R. 56

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1948.**

8. The depth of water table: **Two wells are twenty feet and one well sixty feet.**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: **Wall #1 is bored 24" hole & 20 to 32 feet deep. Wall #2 is bored 16" hole, 20 to 30 feet deep. Wall #3 is bored 24" hole, about 60 feet deep.**

10. The estimated amount of groundwater withdrawn each year: **285,000 gallons.**

11. The log of formations encountered in the drilling of each well if available: **Not applicable.**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: **Not applicable.**

Signature of Owner: **Nancy Mae Thiesse**  
Date: **Dec. 10, 1963**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.  
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner. L. L. Sharbone Address. Sidney, Mont.
Contractor (if any) Address of Contractor
Date Started Date Completed
Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable.

**NATURAL SPRING**

WATER ABOUT 20 TO 30 FT. BELOW GRADE ON THE SE SE SE

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

NORTH WEST 1/4 OF S 1/4 T21 R 56

All that land’s estimate amount of water

Signature of Owner. L. L. Sharbone
Date. August 5th, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

CLARA THIESSEN ETAL, of LAMBERT MONT

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of RICHLAND</td>
<td>State of MONT</td>
<td></td>
</tr>
</tbody>
</table>

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: OPERATION OF RANCH AND WATER LIVESTOCK.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1932 ON.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) AT LEAST 5 GALLONS PER MINUTE.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: WINDMILLS AND PUMP JACKS.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: #1 1932 #2 1932 #3 1918.

8. The depth of water table: UNKNOWN.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: #1 45 FEET 6" CAST IRON CURB, #2 90 FEET 16" STEEL CURBING, #3 41 FEET 18" STEEL CURBING.

10. The estimated amount of groundwater withdrawn each year: 1,000,000 gallons.

11. The log of formations encountered in the drilling of each well if available: UNKNOWN.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: NONE.

Signature of Owner:

Date: 5-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Harold Lee
County of: Richland

State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: Stock R. L. 6

3. Date or approximate date of earliest beneficial use: 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 ft., 30 gal. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been or may be applied and name of the owner thereof: Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump and lift pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Around 1961

8. The depth of water table: 10 ft. to water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 36 in. round well, 20 ft. deep

10. The estimated amount of groundwater withdrawn each year: 500,000 gal

11. The log of formations encountered in the drilling of each well if available: Clay

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: More that I know

Signature of Owner: Harold Lee
Date: 12/13/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Not applicable

Owner: Harold Her

Address: Savage, Mont

Contractor (if any): None

Address of Contractor:

Date Started: Not applicable

Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Sub-irrigation, Spring, etc.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

Continuous use for stock water + pastures

Can't estimate quantity of water I would estimate 30 B

30 acres Sub-irrigated pasture

Signature of Owner:

Date: 12/30/1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
286 216
STATE OF M. P. A.
County of Macomb.

Filed the 30th day of December, A. D. 1 to
at 11:00 A.M.

G. W. Kercheval
County Recorder

filed
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater:

Owner: Harold B.
Address: Savage, Mont.

Contractor (if any): None
Address of Contractor:
Date Started: Not applicable
Date Completed:

Describe means of obtaining groundwater without a well, "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Natural Spring
and Sub-irrigated Hay in pasture

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent,
estimate approximate lengths of periods of use. Spring
flows about 10 to 20 g.p.m. Estimated
has been used continuously for
stock watering.

Signature of Owner: Harold B.
Date: Dec. 30, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana
Bureau of Mines and Geology; quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Harold Hassman
Address: 

Driller: Gallman Drilling Co.
Address: Sidney, Mont.

Date of Notice of appropriation of groundwater: 

Date well started: May 1, 1967
Date well completed: May 15, 1967

Type of well: Dug
Equipment used: Churn drill

Water use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ]

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Stratum Description</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; brown clay</td>
<td>6' 14&quot;</td>
</tr>
<tr>
<td>10&quot; black shale</td>
<td>0</td>
</tr>
<tr>
<td>15-18 brown clay</td>
<td>319</td>
</tr>
<tr>
<td>15-30 grey sand coal</td>
<td>375</td>
</tr>
<tr>
<td>12&quot;-27 brown shale</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>20-37 grey sand coal</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>22-25 coal sand</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>29-35 grey sand</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>35-45 grey sand</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>45-65 sand sand</td>
<td>5 g.p.m.</td>
</tr>
<tr>
<td>15-25 sandstone well</td>
<td>5 g.p.m.</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 
Shut-in Pressure for Flowing Well: 
Pumping Water Level: feet at g per minute.
Discharge in gal. per min. of flowing well: 

How Test: 
Length of Test: 1.5 hr
Remarks: Gravel packing, cementing, packers, type of shutoff:

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level: feet

Discharge in gal. per min. of flowing well: 

Static Water Level: feet

Driller's Signature: 

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Remarks: Gravel packing, cementing, packers, type of shutoff.

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e., Lot, Block and Addition).

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, times copy to be retained by driller.

Driller's License Number: 

Driller's Signature: 

42,053
STATE OF MONTANA, ss.
County of Richland,

Filed this 2 day of January, A.D. 19____ at __ A.M., o'clock, P.M.

Floyd L. Luker
County Recorder

Deputy

Filed
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Bozeshard, Dolf or Gladys, of Rt. 1, Box 127, Sidney, Montana
   (Name of Appropriator) (Address) (Town)

County of Richland State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: home and stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1910-continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: does not apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1910

8. The depth of water table: 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 2 ft. bore well

10. The estimated amount of groundwater withdrawn each year: used continuously

11. The log of formations encountered in the drilling of each well if available: not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: not available

Signature of Owner: [Signature]
Date: December 7, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Nome Emmanuel
   (Name of Appropriator)
   County of Richland
   (Address)
   State of Montana

2. The beneficial use on which the claim is based: Home and Farm

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2000

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1920

8. The depth of water table: 19 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:

10. The estimated amount of groundwater withdrawn each year: 2000 gallons

11. The log of formations encountered in the drilling of each well if available:

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:

Every small square represents 10 acres.

Indicate point of appropriation and place of use, if possible.

Signature of Owner

Date: Dec 9, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Richland,

Filed this:__________________________ day of__________________________
A.D. 19_____.

__________________________ M. of C.

__________________________ County Recorder

fees $20.00
filed
# WATER WELL LOG

**Owner:** Harold Hofman  
**Address:** January Mill

**Driller:** Arnold Siler  
**Address:** Sullivans Mill

**Date Started:** 5-13-58  
**Date Completed:** 6-20-58

**Location:** Sec. 26 T. 21 R. 5E 1/4 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Cable, twisted spade</th>
</tr>
</thead>
</table>

**Water use:**  
- Domestic □  
- Municipal □  
- Stock ○  
- Irrigation □

- Industrial □  
- Drainage □  
- Other: □

**Casing:**  
- 0 ft. to 40 ft.  
- Type: steel  
- Size: 6" |

- 3½ ft. to 75 ft.  
- Type: steel  
- Size: 4" |

- To ft.  
- Type:  
- Size: |

**Perforated or Screened:**  
- 55 to ft.  
- To ft.  
- Type of screen or perforations:  
- 3½ in. hole |

**Static Water level, for non-flowing well:** - water came 50 ft. from top - feet.

**Shut-in pressure, for flowing well:** - lb./sq. in. on:  
- (date) |

**Pumping water level:** - 5 c. feet at 5 gal. per min.  
- How tested:  
- trier |

**Length of test:** - 12 to  
- Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
-  
-  
-  
- (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 16</td>
</tr>
<tr>
<td></td>
<td>gravel</td>
</tr>
<tr>
<td>From 16</td>
<td>To 21</td>
</tr>
<tr>
<td></td>
<td>clay</td>
</tr>
<tr>
<td>From 21</td>
<td>To 31</td>
</tr>
<tr>
<td></td>
<td>quicksand</td>
</tr>
<tr>
<td>From 31</td>
<td>To 37</td>
</tr>
<tr>
<td></td>
<td>clay + sandstone</td>
</tr>
<tr>
<td>From 37</td>
<td>To 42</td>
</tr>
<tr>
<td></td>
<td>blue clay + patch of coal</td>
</tr>
<tr>
<td>From 42</td>
<td>To 55</td>
</tr>
<tr>
<td></td>
<td>blue clay and sand water algae</td>
</tr>
<tr>
<td>From 55</td>
<td>To 81</td>
</tr>
<tr>
<td></td>
<td>coal, new water</td>
</tr>
<tr>
<td>From 81</td>
<td>To 85</td>
</tr>
<tr>
<td></td>
<td>sandy blue clay</td>
</tr>
<tr>
<td>From 85</td>
<td>To 90</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner: J. M. BLAIR
Address: LUM Gigstad
Contractor (if any): NATURAL SPRING
Address of Contractor
Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable.

No special Development.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
estimate approximate lengths of periods of use.

Summer - when snow is gone.

Signature of Owner: Date: Jan. 31, 63

This form to be prepared by contractor (if any), otherwise by the owner.

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works are located.

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